BRUHATH BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of the work: Improvementsto Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura

Second and Part Bill
Detailed Measurement

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : - Improvements to Roads and Drains of Pampa Extension main road to Coffee board Layout Main road(via From Canara Bank ATM and Raghvendra Hotel Circle and Kuvempu road)in ward No 07 Byatarayanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	Desilt										
	5th Cross Road										
	0.00	30.00		2.00	30.00			0.60	0.55	19.80	
	30.00	60.00		2.00	30.00			0.60	0.55	19.80	
	60.00	90.00		2.00	30.00			0.60	0.55	19.80	
	90.00	120.00		2.00	30.00			0.60	0.55	19.80	
	120.00	150.00		2.00	30.00			0.60	0.55	19.80	
	150.00	180.00		2.00	30.00			0.60	0.55	19.80	
	180.00	199.30		2.00	19.30			0.60	0.55	12.74	
	6th Cross Road										
	0.00	30.00		2.00	30.00			0.60	0.55	19.80	
	30.00	39.80		2.00	9.80			0.60	0.55	6.47	
	7th Cross Road										
	0.00	30.00		2.00	30.00			0.60	0.55	19.80	
	30.00	50.00		2.00	20.00			0.60	0.55	13.20	
	8th Cross Road										
	0.00	30.00		2.00	30.00			0.60	0.55	19.80	
	30.00	60.00		2.00	30.00			0.60	0.55	19.80	
	60.00	90.00		2.00	30.00			0.60	0.55	19.80	
	90.00	120.00		2.00	30.00			0.60	0.55	19.80	
	120.00	150.00		2.00	30.00			0.60	0.55	19.80	
	150.00	165.00		2.00	15.00			0.60	0.55	9.90	
	Kuvempu road(raghvendra circle to coffee board layout main road)										
	0.00	30.00		2.00	30.00			0.60	0.60	21.60	
	30.00	60.00		2.00	30.00			0.60	0.60	21.60	
	60.00	90.00		2.00	30.00			0.60	0.60	21.60	
	90.00	120.00		2.00	30.00			0.60	0.60	21.60	
	120.00	150.00		2.00	30.00			0.60	0.60	21.60	
	150.00	174.20		2.00	24.20			0.60	0.60	17.42	
	174.20	204.20		2.00	30.00			0.60	0.60	21.60	
	204.20	234.20		2.00	30.00			0.60	0.60	21.60	
	234.20	264.20		2.00	30.00			0.60	0.60	21.60	
	264.20	294.20		2.00	30.00			0.60	0.60	21.60	
	294.20	324.20		2.00	30.00			0.60	0.60	21.60	

533.13

TEJUS CONSULTANTS

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

BBMP. N.D AE(W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palik
Bangalore - 560 092

533.13

	324.20	354.20		2.00	30.00			0.60	0.60	21.60	
	354.20	384.20		2.00	30.00			0.60	0.60	21.60	
	384.20	414.20		2.00	30.00			0.60	0.60	21.60	
	414.20	444.20		2.00	30.00			0.60	0.60	21.60	
	444.20	474.20		2.00	30.00			0.60	0.60	21.60	
	474.20	504.20		2.00	30.00			0.60	0.60	21.60	
	504.20	534.20		2.00	30.00			0.60	0.60	21.60	
	534.20	564.20		2.00	30.00			0.60	0.60	21.60	
	564.20	594.20		2.00	30.00			0.60	0.60	21.60	
	594.20	624.20		2.00	30.00			0.60	0.60	21.60	
	624.20	654.20		2.00	30.00			0.60	0.60	21.60	
	654.20	670.20		2.00	16.00			0.60	0.60	11.52	
								Total		**782.25**	**Cum**

82

NDP AE(LC)

18/3

CE/BC

18/3/15

TEJUS CONSULTANTS

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

AE(LC) N.D

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

6	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)										
	5th Cross Road										
	0.00	30.00		2.00	24.00			1.80		86.40	
	30.00	60.00		2.00	21.00			1.80		75.60	
	60.00	90.00		2.00	26.00			1.80		93.60	
	90.00	120.00		2.00	27.00			1.80		97.20	
	120.00	150.00		2.00	25.00			1.80		90.00	
	150.00	180.00		2.00	22.00			1.80		79.20	
	180.00	199.30		2.00	14.30			1.80		51.48	
	6th Cross Road										
	0.00	30.00		2.00	25.00			1.80		90.00	
	30.00	39.80		2.00	6.80			1.80		24.48	
	7th Cross Road										
	0.00	30.00		2.00	25.00			1.80		90.00	
	30.00	50.00		2.00	12.00			1.80		43.20	
	8th Cross Road										
	0.00	30.00		2.00	24.00			1.80		86.40	
	30.00	60.00		2.00	26.00			1.80		93.60	
	60.00	90.00		2.00	28.00			1.80		100.80	
	90.00	120.00		2.00	25.00			1.80		90.00	
	120.00	150.00		2.00	22.00			1.80		79.20	
	150.00	165.00		2.00	10.00			1.80		36.00	
								Total		**1307.16**	**Sqm**

28/3

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

7	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)										
	5th Cross Road										
	0.00	30.00		2.00	6.00			1.80		21.60	
	30.00	60.00		2.00	9.00			1.80		32.40	
	60.00	90.00		2.00	4.00			1.80		14.40	
	90.00	120.00		2.00	3.00			1.80		10.80	
	120.00	150.00		2.00	5.00			1.80		18.00	
	150.00	180.00		2.00	8.00			1.80		28.80	
	180.00	199.30		2.00	5.00			1.80		18.00	
	6th Cross Road										
	0.00	30.00		2.00	5.00			1.80		18.00	
	30.00	39.80		2.00	3.00			1.80		10.80	
	7th Cross Road										
	0.00	30.00		2.00	5.00			1.80		18.00	
	30.00	50.00		2.00	8.00			1.80		28.80	
	8th Cross Road										
	0.00	30.00		2.00	6.00			1.80		21.60	
	30.00	60.00		2.00	4.00			1.80		14.40	
	60.00	90.00		2.00	2.00			1.80		7.20	
	90.00	120.00		2.00	5.00			1.80		18.00	
	120.00	150.00		2.00	8.00			1.80		28.80	
	150.00	165.00		2.00	5.00			1.80		18.00	
								Total		**327.60**	**Sqm**

Cert
Dec 28/3

NDR
AE(W)
28/3

Abhilash N.D
AE(W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	Road Portion										
	Bad Reaches										
	5th Cross Road										
	0.00	30.00		1.00	1.80			2.00	0.23	0.83	
	30.00	60.00		1.00	1.90			2.30	0.23	1.01	
	60.00	90.00		1.00	1.50			1.80	0.23	0.62	
	90.00	120.00		1.00	2.00			1.30	0.23	0.60	
	120.00	150.00		1.00	2.10			1.50	0.23	0.72	
	150.00	180.00		1.00	2.20			1.00	0.23	0.51	
	180.00	199.30		1.00	1.80			1.60	0.23	0.66	
	6th Cross Road										
	0.00	30.00		1.00	1.30			1.20	0.23	0.36	
	30.00	39.80		1.00	1.20			1.00	0.23	0.28	
	7th Cross Road										
	0.00	30.00		1.00	1.20			1.30	0.23	0.36	
	30.00	50.00		1.00	1.80			1.10	0.23	0.46	
	8th Cross Road										
	0.00	30.00		1.00	1.50			1.50	0.23	0.52	
	30.00	60.00		1.00	1.80			1.80	0.23	0.75	
	60.00	90.00		1.00	1.30			2.00	0.23	0.60	
	90.00	120.00		1.00	1.80			1.50	0.23	0.62	
	120.00	150.00		1.00	1.50			2.00	0.23	0.69	
	150.00	165.00		1.00	1.10			1.30	0.23	0.33	
	Kuvempu road(raghvendra circle to coffee board layout main road)										
	0.00	30.00		1.00	2.00			1.30	0.23	0.60	
	30.00	60.00		1.00	1.80			2.00	0.23	0.83	
	60.00	90.00		1.00	1.50			2.50	0.23	0.86	
	90.00	120.00		1.00	1.20			2.30	0.23	0.63	
	120.00	150.00		1.00	1.30			2.20	0.23	0.66	
	150.00	174.20		1.00	1.50			2.10	0.23	0.72	
	174.20	204.20		1.00	2.00			2.00	0.23	0.92	
	204.20	234.20		1.00	2.00			1.85	0.23	0.85	
	234.20	264.20		1.00	2.50			1.90	0.23	1.09	
	264.20	294.20		1.00	1.80			2.00	0.23	0.83	
	294.20	324.20		1.00	1.90			2.30	0.23	1.01	
	324.20	354.20		1.00	1.50			2.00	0.23	0.69	
	354.20	384.20		1.00	2.00			1.30	0.23	0.60	
	384.20	414.20		1.00	2.10			1.50	0.23	0.72	
	414.20	444.20		1.00	2.20			2.30	0.23	1.16	
	444.20	474.20		1.00	2.30			2.80	0.23	1.48	
	474.20	504.20		1.00	2.80			2.40	0.23	1.55	
	504.20	534.20		1.00	1.50			2.30	0.23	0.79	
	534.20	564.20		1.00	1.80			2.20	0.23	0.91	

26.80

TEJUS CONSULTANTS

Apply. N-D
AE (WI)

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike

26.80

86

	564.20	594.20		1.00	2.80			2.00	0.23	1.29	
	594.20	624.20		1.00	3.00			1.85	0.23	1.28	
	624.20	654.20		1.00	2.30			2.00	0.23	1.06	
	654.20	670.20		1.00	2.60			2.00	0.23	1.20	
	Coffe Board Zroad from green trends up to kannada flag										
	0.00	30.00		1.00	3.10			2.15	0.23	1.53	
	30.00	60.00		1.00	2.80			2.50	0.23	1.61	
	60.00	90.00		1.00	2.75			2.35	0.23	1.49	
	90.00	120.00		1.00	3.00			2.20	0.23	1.52	
	120.00	150.00		1.00	2.80			2.25	0.23	1.45	
	150.00	180.00		1.00	2.75			2.80	0.23	1.77	
	180.00	200.00		1.00	2.35			2.35	0.23	1.27	
	200.00	210.00		1.00	2.15			2.50	0.23	1.24	
	210.00	240.00		1.00	3.50			2.50	0.23	2.01	
	240.00	265.40		1.00	3.00			2.65	0.23	1.83	
	kannada flag to Main Road										
	0.00	30.00		1.00	1.30			2.10	0.23	0.63	
	30.00	60.00		1.00	2.30			2.35	0.23	1.24	
	60.00	90.00		1.00	2.50			2.40	0.23	1.38	
	90.00	115.00		1.00	2.20			2.50	0.23	1.27	
								Total		**51.85**	**Cum**

Clerk

28/3/19

AE(NOD)

28/3

TTC CONSULTANTS

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Road Portion										
	Bad Reaches										
	5th Cross Road										
	0.00	30.00		1.00	1.80			2.00	0.23	0.83	
	30.00	60.00		1.00	1.90			2.30	0.23	1.01	
	60.00	90.00		1.00	1.50			1.80	0.23	0.62	
	90.00	120.00		1.00	2.00			1.30	0.23	0.60	
	120.00	150.00		1.00	2.10			1.50	0.23	0.72	
	150.00	180.00		1.00	2.20			1.00	0.23	0.51	
	180.00	199.30		1.00	1.80			1.60	0.23	0.66	
	6th Cross Road										
	0.00	30.00		1.00	1.30			1.20	0.23	0.36	
	30.00	39.80		1.00	1.20			1.00	0.23	0.28	
	7th Cross Road										
	0.00	30.00		1.00	1.20			1.30	0.23	0.36	
	30.00	50.00		1.00	1.80			1.10	0.23	0.46	
	8th Cross Road										
	0.00	30.00		1.00	1.50			1.50	0.23	0.52	
	30.00	60.00		1.00	1.80			1.80	0.23	0.75	
	60.00	90.00		1.00	1.30			2.00	0.23	0.60	
	90.00	120.00		1.00	1.80			1.50	0.23	0.62	
	120.00	150.00		1.00	1.50			2.00	0.23	0.69	
	150.00	165.00		1.00	1.10			1.30	0.23	0.33	
	Kuvempu road(raghvendra circle to coffee board layout main road)										
	0.00	30.00		1.00	2.00			1.30	0.23	0.60	
	30.00	60.00		1.00	1.80			2.00	0.23	0.83	
	60.00	90.00		1.00	1.50			2.50	0.23	0.86	
	90.00	120.00		1.00	1.20			2.30	0.23	0.63	
	120.00	150.00		1.00	1.30			2.20	0.23	0.66	
	150.00	174.20		1.00	1.50			2.10	0.23	0.72	
	174.20	204.20		1.00	2.00			2.00	0.23	0.92	
	204.20	234.20		1.00	2.00			1.85	0.23	0.85	
	234.20	264.20		1.00	2.50			1.90	0.23	1.09	
	264.20	294.20		1.00	1.80			2.00	0.23	0.83	
	294.20	324.20		1.00	1.90			2.30	0.23	1.01	
	324.20	354.20		1.00	1.50			2.00	0.23	0.69	
	354.20	384.20		1.00	2.00			1.30	0.23	0.60	
	384.20	414.20		1.00	2.10			1.50	0.23	0.72	
	414.20	444.20		1.00	2.20			2.30	0.23	1.16	
	444.20	474.20		1.00	2.30			2.80	0.23	1.48	
	474.20	504.20		1.00	2.80			2.40	0.23	1.55	

25.10

TEJAS CONSULTANTS

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Molly. N.D
AE(W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore Mahanagara Palike
Bangalore - 560 092

25.10

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	504.20	534.20		1.00	1.50			2.30	0.23	0.79	
	534.20	564.20		1.00	1.80			2.20	0.23	0.91	
	564.20	594.20		1.00	2.80			2.00	0.23	1.29	
	594.20	624.20		1.00	3.00			1.85	0.23	1.28	
	624.20	654.20		1.00	2.30			2.00	0.23	1.06	
	654.20	670.20		1.00	2.60			2.00	0.23	1.20	
	Coffe Board Zroad from green trends up to kannada flag										
	0.00	30.00		1.00	3.10			2.15	0.23	1.53	
	30.00	60.00		1.00	2.80			2.50	0.23	1.61	
	60.00	90.00		1.00	2.75			2.35	0.23	1.49	
	90.00	120.00		1.00	3.00			2.20	0.23	1.52	
	120.00	150.00		1.00	2.80			2.25	0.23	1.45	
	150.00	180.00		1.00	2.75			2.80	0.23	1.77	
	180.00	200.00		1.00	2.35			2.35	0.23	1.27	
	200.00	210.00		1.00	2.15			2.50	0.23	1.24	
	210.00	240.00		1.00	3.50			2.50	0.23	2.01	
	240.00	265.40		1.00	3.00			2.65	0.23	1.83	
	kannada flag to Main Road										
	0.00	30.00		1.00	1.30			2.10	0.23	0.63	
	30.00	60.00		1.00	2.30			2.35	0.23	1.24	
	60.00	90.00		1.00	2.50			2.40	0.23	1.38	
	90.00	115.00		1.00	2.20			2.50	0.23	1.27	
								Total		**51.85**	**Cum**

NOD AE(U-I)

8/4

8/4/13

TEJUS CONSULTANTS

N.D AE(U-I)

BENAKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)										
	Road Portion										
	Bad Reaches										
	5th Cross Road										
	0.00	30.00		1.00	1.80			2.00		3.60	
	30.00	60.00		1.00	1.90			2.30		4.37	
	60.00	90.00		1.00	1.50			1.80		2.70	
	90.00	120.00		1.00	2.00			1.30		2.60	
	120.00	150.00		1.00	2.10			1.50		3.15	
	150.00	180.00		1.00	2.20			1.00		2.20	
	180.00	199.30		1.00	1.80			1.60		2.88	
	6th Cross Road										
	0.00	30.00		1.00	1.30			1.20		1.56	
	30.00	39.80		1.00	1.20			1.00		1.20	
	7th Cross Road										
	0.00	30.00		1.00	1.20			1.30		1.56	
	30.00	50.00		1.00	1.80			1.10		1.98	
	8th Cross Road										
	0.00	30.00		1.00	1.50			1.50		2.25	
	30.00	60.00		1.00	1.80			1.80		3.24	
	60.00	90.00		1.00	1.30			2.00		2.60	
	90.00	120.00		1.00	1.80			1.50		2.70	
	120.00	150.00		1.00	1.50			2.00		3.00	
	150.00	165.00		1.00	1.10			1.30		1.43	
	Kuvempu road(raghvendra circle to coffee board layout main road)										
	0.00	30.00		1.00	2.00			1.30		2.60	
	30.00	60.00		1.00	1.80			2.00		3.60	
	60.00	90.00		1.00	1.50			2.50		3.75	
	90.00	120.00		1.00	1.20			2.30		2.76	
	120.00	150.00		1.00	1.30			2.20		2.86	
	150.00	174.20		1.00	1.50			2.10		3.15	
	174.20	204.20		1.00	2.00			2.00		4.00	
	204.20	234.20		1.00	2.00			1.85		3.70	
	234.20	264.20		1.00	2.50			1.90		4.75	
	264.20	294.20		1.00	1.80			2.00		3.60	
	294.20	324.20		1.00	1.90			2.30		4.37	
	324.20	354.20		1.00	1.50			2.00		3.00	
	354.20	384.20		1.00	2.00			1.30		2.60	
	384.20	414.20		1.00	2.10			1.50		3.15	
	414.20	444.20		1.00	2.20			2.30		5.06	
	444.20	474.20		1.00	2.30			2.80		6.44	
	474.20	504.20		1.00	2.80			2.40		6.72	
	504.20	534.20		1.00	1.50			2.30		3.45	
	534.20	564.20		1.00	1.80			2.20		3.96	

116.54

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BENAKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

	564.20	594.20		1.00	2.80			2.00		5.60	
	594.20	624.20		1.00	3.00			1.85		5.55	
	624.20	654.20		1.00	2.30			2.00		4.60	
	654.20	670.20		1.00	2.60			2.00		5.20	
	Coffe Board Zroad from green trends up to kannada flag										
	0.00	30.00		1.00	3.10			2.15		6.67	
	30.00	60.00		1.00	2.80			2.50		7.00	
	60.00	90.00		1.00	2.75			2.35		6.46	
	90.00	120.00		1.00	3.00			2.20		6.60	
	120.00	150.00		1.00	2.80			2.25		6.30	
	150.00	180.00		1.00	2.75			2.80		7.70	
	180.00	200.00		1.00	2.35			2.35		5.52	
	200.00	210.00		1.00	2.15			2.50		5.38	
	210.00	240.00		1.00	3.50			2.50		8.75	
	240.00	265.40		1.00	3.00			2.65		7.95	
	kannada flag to Main Road										
	0.00	30.00		1.00	1.30			2.10		2.73	
	30.00	60.00		1.00	2.30			2.35		5.41	
	60.00	90.00		1.00	2.50			2.40		6.00	
	90.00	115.00		1.00	2.20			2.50		5.50	
								Total		**225.45**	**Sqm**

116.54

90

TEJUS CONSULTANTS

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

27	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)										
	5th Cross Road										
	0.00	30.00		1.00	30.00	6.60	3.70	5.15		154.50	
	30.00	60.00		1.00	30.00	3.70	4.90	4.30		129.00	
	60.00	79.60		1.00	19.60	4.90	4.70	4.80		94.08	
	81.20	90.00		1.00	8.80	4.80	5.40	5.10		44.88	
	90.00	121.50		1.00	31.50	5.40	5.30	5.35		168.53	
	130.30	150.00		1.00	19.70	5.70	5.10	5.40		106.38	
	150.00	153.60		1.00	3.60	5.10	5.20	5.15		18.54	
	163.50	180.00		1.00	16.50	5.60	5.40	5.50		90.75	
	180.00	199.30		1.00	19.30	5.40	5.10	5.25		101.33	
	6th Cross Road										
	0.00	30.00		1.00	30.00	6.20	5.30	5.75		172.50	
	30.00	39.80		1.00	9.80	5.30	5.50	5.40		52.92	
	7th Cross Road										
	0.00	30.00		1.00	30.00	6.00	5.50	5.75		172.50	
	30.00	50.00		1.00	20.00	5.50	5.40	5.45		109.00	
	8th Cross Road										
	20.00	50.00		1.00	30.00	5.50	5.10	5.30		159.00	
	50.00	80.00		1.00	30.00	5.10	7.20	6.15		184.50	
	80.00	98.30		1.00	18.30	7.20	8.00	7.60		139.08	
	98.30	130.00		1.00	31.70	6.90	6.10	6.50		206.05	
	130.00	165.00		1.00	35.00	6.10	5.80	5.95		208.25	
	Kuvempu road(raghvendra circle to coffee board layout main road)										
	0.00	5.00		1.00	5.00	8.20	6.70	7.45		37.25	
	5.00	30.00		1.00	25.00	6.70	6.20	6.45		161.25	
	30.00	60.00		1.00	30.00	6.20	6.60	6.40		192.00	
	60.00	90.00		1.00	30.00	6.60	6.60	6.60		198.00	
	90.00	120.00		1.00	30.00	6.60	6.60	6.60		198.00	
	120.00	150.00		1.00	30.00	6.60	6.60	6.60		198.00	
	150.00	174.20		1.00	24.20	6.60	7.60	7.10		171.82	
	174.20	204.20		1.00	30.00	7.70	7.60	7.65		229.50	
	204.20	234.20		1.00	30.00	7.60	7.60	7.60		228.00	
	234.20	264.20		1.00	30.00	7.60	11.00	9.30		279.00	
	264.20	294.20		1.00	30.00	11.00	8.40	9.70		291.00	
	294.20	324.20		1.00	30.00	7.10	7.90	7.50		225.00	
	324.20	354.20		1.00	30.00	7.90	7.70	7.80		234.00	
	354.20	384.20		1.00	30.00	7.70	6.20	6.95		208.50	
	384.20	414.20		1.00	30.00	6.20	7.00	6.60		198.00	
	414.20	444.20		1.00	30.00	7.00	5.80	6.40		192.00	
	444.20	474.20		1.00	30.00	5.80	6.40	6.10		183.00	
	474.20	504.20		1.00	30.00	6.40	7.10	6.75		202.50	
	504.20	534.20		1.00	30.00	8.20	7.80	8.00		240.00	
	534.20	564.20		1.00	30.00	7.80	7.90	7.85		235.50	
	564.20	594.20		1.00	30.00	7.90	9.00	8.45		253.50	

6667.60

TAS CONSULTANTS

BENAKA DEVELOPERS AND PROJECTS PVT. BANGALORE

N.D

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Cr- 6667-60

92

	594.20	624.20		1.00	30.00	9.00	8.00	8.50		255.00	
	624.20	654.20		1.00	30.00	8.00	8.60	8.30		249.00	
	654.20	670.20		1.00	16.00	8.60	10.80	9.70		155.20	
	Coffe Board Zroad from green trends up to kannada flag										
	0.00	30.00		1.00	30.00	8.40	5.60	7.00		210.00	
	30.00	60.00		1.00	30.00	5.60	5.20	5.40		162.00	
	60.00	90.00		1.00	30.00	5.20	6.30	5.75		172.50	
	90.00	120.00		1.00	30.00	6.30	5.20	5.75		172.50	
	120.00	150.00		1.00	30.00	5.20	6.00	5.60		168.00	
	150.00	180.00		1.00	30.00	6.00	5.20	5.60		168.00	
	180.00	200.00		1.00	20.00	5.20	4.00	4.60		92.00	
	200.00	210.00		1.00	10.00	4.00	6.70	5.35		53.50	
	210.00	240.00		1.00	30.00	6.70	7.40	7.05		211.50	
	240.00	265.40		1.00	25.40	7.40	6.80	7.10		180.34	
	kannada flag to Main Road										
	0.00	30.00		1.00	30.00	7.30	6.50	6.90		207.00	
	30.00	60.00		1.00	30.00	6.50	6.30	6.40		192.00	
	60.00	90.00		1.00	30.00	6.30	7.10	6.70		201.00	
	90.00	115.00		1.00	25.00	7.10	8.00	7.55		188.75	
								Deduct Prime Coat		**-225.45**	
								Total		**9480.44**	**Sqm**

9705.89

Certified
Rs 7744/15

NDD
DE(W)
19/4

TEJUS CONSULTANTS

Applied. N.D
DE(W)

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)										
	5th Cross Road										
	0.00	30.00		1.00	30.00	6.60	3.70	5.15		154.50	
	30.00	60.00		1.00	30.00	3.70	4.90	4.30		129.00	
	60.00	79.60		1.00	19.60	4.90	4.70	4.80		94.08	
	81.20	90.00		1.00	8.80	4.80	5.40	5.10		44.88	
	90.00	121.50		1.00	31.50	5.40	5.30	5.35		168.53	
	130.30	150.00		1.00	19.70	5.70	5.10	5.40		106.38	
	150.00	153.60		1.00	3.60	5.10	5.20	5.15		18.54	
	163.50	180.00		1.00	16.50	5.60	5.40	5.50		90.75	
	180.00	199.30		1.00	19.30	5.40	5.10	5.25		101.33	
	6th Cross Road										
	0.00	30.00		1.00	30.00	6.20	5.30	5.75		172.50	
	30.00	39.80		1.00	9.80	5.30	5.50	5.40		52.92	
	7th Cross Road										
	0.00	30.00		1.00	30.00	6.00	5.50	5.75		172.50	
	30.00	50.00		1.00	20.00	5.50	5.40	5.45		109.00	
	8th Cross Road										
	20.00	50.00		1.00	30.00	5.50	5.10	5.30		159.00	
	50.00	80.00		1.00	30.00	5.10	7.20	6.15		184.50	
	80.00	98.30		1.00	18.30	7.20	8.00	7.60		139.08	
	98.30	130.00		1.00	31.70	6.90	6.10	6.50		206.05	
	130.00	165.00		1.00	35.00	6.10	5.80	5.95		208.25	
	Kuvempu road(raghvendra circle to coffee board layout main road)										
	0.00	5.00		1.00	5.00	8.20	6.70	7.45		37.25	
	5.00	30.00		1.00	25.00	6.70	6.20	6.45		161.25	
	30.00	60.00		1.00	30.00	6.20	6.60	6.40		192.00	
	60.00	90.00		1.00	30.00	6.60	6.60	6.60		198.00	
	90.00	120.00		1.00	30.00	6.60	6.60	6.60		198.00	
	120.00	150.00		1.00	30.00	6.60	6.60	6.60		198.00	
	150.00	174.20		1.00	24.20	6.60	7.60	7.10		171.82	
	174.20	204.20		1.00	30.00	7.70	7.60	7.65		229.50	
	204.20	234.20		1.00	30.00	7.60	7.60	7.60		228.00	
	234.20	264.20		1.00	30.00	7.60	11.00	9.30		279.00	
	264.20	294.20		1.00	30.00	11.00	8.40	9.70		291.00	
	294.20	324.20		1.00	30.00	7.10	7.90	7.50		225.00	
	324.20	354.20		1.00	30.00	7.90	7.70	7.80		234.00	
	354.20	384.20		1.00	30.00	7.70	6.20	6.95		208.50	
	384.20	414.20		1.00	30.00	6.20	7.00	6.60		198.00	
	414.20	444.20		1.00	30.00	7.00	5.80	6.40		192.00	
	444.20	474.20		1.00	30.00	5.80	6.40	6.10		183.00	
	474.20	504.20		1.00	30.00	6.40	7.10	6.75		202.50	
	504.20	534.20		1.00	30.00	8.20	7.80	8.00		240.00	
	534.20	564.20		1.00	30.00	7.80	7.90	7.85		235.50	

6414.10

TEJUS CONSULTANTS

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

M.N.D AE(W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

CF 6414.10

	564.20	594.20		1.00	30.00	7.90	9.00	8.45		253.50	
	594.20	624.20		1.00	30.00	9.00	8.00	8.50		255.00	
	624.20	654.20		1.00	30.00	8.00	8.60	8.30		249.00	
	654.20	670.20		1.00	16.00	8.60	10.80	9.70		155.20	
	Coffe Board Zroad from green trends up to kannada flag										
	0.00	30.00		1.00	30.00	8.40	5.60	7.00		210.00	
	30.00	60.00		1.00	30.00	5.60	5.20	5.40		162.00	
	60.00	90.00		1.00	30.00	5.20	6.30	5.75		172.50	
	90.00	120.00		1.00	30.00	6.30	5.20	5.75		172.50	
	120.00	150.00		1.00	30.00	5.20	6.00	5.60		168.00	
	150.00	180.00		1.00	30.00	6.00	5.20	5.60		168.00	
	180.00	200.00		1.00	20.00	5.20	4.00	4.60		92.00	
	200.00	210.00		1.00	10.00	4.00	6.70	5.35		53.50	
	210.00	240.00		1.00	30.00	6.70	7.40	7.05		211.50	
	240.00	265.40		1.00	25.40	7.40	6.80	7.10		180.34	
	kannada flag to Main Road										
	0.00	30.00		1.00	30.00	7.30	6.50	6.90		207.00	
	30.00	60.00		1.00	30.00	6.50	6.30	6.40		192.00	
	60.00	90.00		1.00	30.00	6.30	7.10	6.70		201.00	
	90.00	115.00		1.00	25.00	7.10	8.00	7.55		188.75	
								Total		**9705.89**	**Sqm**

12/14

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore Mahanagara Palike
Bangalore - 560 092

30	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)										
	5th Cross Road											
	0.00	30.00		1.00	30.00	6.60	3.70	5.15	0.04	6.18		
	30.00	60.00		1.00	30.00	3.70	4.90	4.30	0.04	5.16		
	60.00	79.60		1.00	19.60	4.90	4.70	4.80	0.04	3.76		
	81.20	90.00		1.00	8.80	4.80	5.40	5.10	0.04	1.80		
	90.00	121.50		1.00	31.50	5.40	5.30	5.35	0.04	6.74		
	130.30	150.00		1.00	19.70	5.70	5.10	5.40	0.04	4.26		
	150.00	153.60		1.00	3.60	5.10	5.20	5.15	0.04	0.74		
	163.50	180.00		1.00	16.50	5.60	5.40	5.50	0.04	3.63		
	180.00	199.30		1.00	19.30	5.40	5.10	5.25	0.04	4.05		
	6th Cross Road											
	0.00	30.00		1.00	30.00	6.20	5.30	5.75	0.04	6.90		
	30.00	39.80		1.00	9.80	5.30	5.50	5.40	0.04	2.12		
	7th Cross Road											
	0.00	30.00		1.00	30.00	6.00	5.50	5.75	0.04	6.90		
	30.00	50.00		1.00	20.00	5.50	5.40	5.45	0.04	4.36		
	8th Cross Road											
	20.00	50.00		1.00	30.00	5.50	5.10	5.30	0.04	6.36		
	50.00	80.00		1.00	30.00	5.10	7.20	6.15	0.04	7.38		
	80.00	98.30		1.00	18.30	7.20	8.00	7.60	0.04	5.56		
	98.30	130.00		1.00	31.70	6.90	6.10	6.50	0.04	8.24		
	130.00	165.00		1.00	35.00	6.10	5.80	5.95	0.04	8.33		
	Kuvempu road(raghvendra circle to coffee board layout main road)											
	0.00	5.00		1.00	5.00	8.20	6.70	7.45	0.04	1.49		
	5.00	30.00		1.00	25.00	6.70	6.20	6.45	0.04	6.45		
	30.00	60.00		1.00	30.00	6.20	6.60	6.40	0.04	7.68		
	60.00	90.00		1.00	30.00	6.60	6.60	6.60	0.04	7.92		
	90.00	120.00		1.00	30.00	6.60	6.60	6.60	0.04	7.92		
	120.00	150.00		1.00	30.00	6.60	6.60	6.60	0.04	7.92		
	150.00	174.20		1.00	24.20	6.60	7.60	7.10	0.04	6.87		
	174.20	204.20		1.00	30.00	7.70	7.60	7.65	0.04	9.18		
	204.20	234.20		1.00	30.00	7.60	7.60	7.60	0.04	9.12		
	234.20	264.20		1.00	30.00	7.60	11.00	9.30	0.04	11.16		
	264.20	294.20		1.00	30.00	11.00	8.40	9.70	0.04	11.64		
	294.20	324.20		1.00	30.00	7.10	7.90	7.50	0.04	9.00		
	324.20	354.20		1.00	30.00	7.90	7.70	7.80	0.04	9.36		
	354.20	384.20		1.00	30.00	7.70	6.20	6.95	0.04	8.34		
	384.20	414.20		1.00	30.00	6.20	7.00	6.60	0.04	7.92		
	414.20	444.20		1.00	30.00	7.00	5.80	6.40	0.04	7.68		
	444.20	474.20		1.00	30.00	5.80	6.40	6.10	0.04	7.32		

229.44

TEJUS CONSULTANTS

BENAKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

AE(Civil)

Assistant Executive Engineer
Kodigehalli Sub Division
Brihat Bangalore Mahanagara Palike
Bangalore - 560 092

CF 229.44

	474.20	504.20		1.00	30.00	6.40	7.10	6.75	0.04	8.10	
	504.20	534.20		1.00	30.00	8.20	7.80	8.00	0.04	9.60	
	534.20	564.20		1.00	30.00	7.80	7.90	7.85	0.04	9.42	
	564.20	594.20		1.00	30.00	7.90	9.00	8.45	0.04	10.14	
	594.20	624.20		1.00	30.00	9.00	8.00	8.50	0.04	10.20	
	624.20	654.20		1.00	30.00	8.00	8.60	8.30	0.04	9.96	
	654.20	670.20		1.00	16.00	8.60	10.80	9.70	0.04	6.21	
	Coffe Board Zroad from green trends up to kannada flag										
	0.00	30.00		1.00	30.00	8.40	5.60	7.00	0.04	8.40	
	30.00	60.00		1.00	30.00	5.60	5.20	5.40	0.04	6.48	
	60.00	90.00		1.00	30.00	5.20	6.30	5.75	0.04	6.90	
	90.00	120.00		1.00	30.00	6.30	5.20	5.75	0.04	6.90	
	120.00	150.00		1.00	30.00	5.20	6.00	5.60	0.04	6.72	
	150.00	180.00		1.00	30.00	6.00	5.20	5.60	0.04	6.72	
	180.00	200.00		1.00	20.00	5.20	4.00	4.60	0.04	3.68	
	200.00	210.00		1.00	10.00	4.00	6.70	5.35	0.04	2.14	
	210.00	240.00		1.00	30.00	6.70	7.40	7.05	0.04	8.46	
	240.00	265.40		1.00	25.40	7.40	6.80	7.10	0.04	7.21	
	kannada flag to Main Road										
	0.00	30.00		1.00	30.00	7.30	6.50	6.90	0.04	8.28	
	30.00	60.00		1.00	30.00	6.50	6.30	6.40	0.04	7.68	
	60.00	90.00		1.00	30.00	6.30	7.10	6.70	0.04	8.04	
	90.00	115.00		1.00	25.00	7.10	8.00	7.55	0.04	7.55	
								Total		**388.24**	**Cum**

NDP DE(KRT) 21/8

Certified 21/8/19

TEJUS CONSULTANTS

Mr. M.N.D DE(KRT)

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092